



University
of Basel

Department of
Biomedical Engineering

DBE Newsletter

February 2020

Events



FameLab – Ready to share your passion for science? – register until February 28, 2020!
FameLab is one of the biggest science communication competitions in the world. Participants have just three minutes to win over the judges and crowd with a scientific talk that excels for its content, clarity and charisma. The competition is open to everyone studying or working in STEM subjects, i.e., life sciences, technology, engineering, geosciences, mathematics, physics, chemistry and social sciences. Entrants must be 18 to 35 years old and based in Switzerland. Deadline for submitting your application is Friday, February 28, 2020. Please find more information [here](#).



SciFilmIt Hackathon Basel, April 3 – 5, 2020

The [SciFilmIt Hackathon](#) brings together young scientists, artists and filmmakers to explore science communication and create short films about scientific topics within a 3-day event. These short films are taken to the public in a cinema event on April 8, 2020 at 6.30pm in the Natural History Museum in Basel. This allows the public a new approach to the current science of the University of Basel, interact with the teams and finally to vote for their favorite film. Please apply [here](#) until March 10.



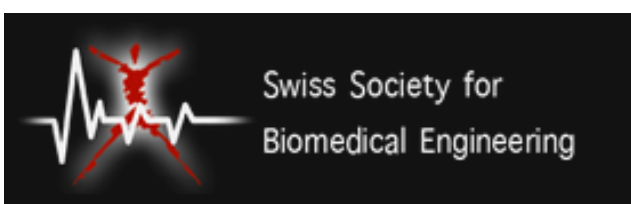
26th Annual Meeting of the Swiss Society for Biomaterials and Regenerative Medicine, June 2 – 4, 2020, abstract deadline: April 6, 2020.

The [2-day conference](#) is open to everybody interested in the scientific, technological and medical aspect of biomaterials. The meeting is aimed at scientists, engineers, medical doctors and industrial representatives who work with implant materials or tissue engineering for regenerative medicine. The topic this year: Biomaterials: from innovation to translation. The [abstract deadline](#) is April 6, 2020.



Materials and Surface Technology for Implants, April 28 & 29, 2020

The 11th [MEET THE EXPERT] Implants conference, organized in collaboration with Orthomanufacture 2020, is taking place at the Kongresshaus in Biel-Bienne, Switzerland. The conference will contain five sessions with eight keynotes and many short presentations on these topics (Materials and Surfaces of implants, Medical Device Regulation (MDR), Smart Devices & Analytics, Additive Manufacturing Cleaning), an exhibition and many possibilities for discussions and networking during the breaks, the dinner and social event. The full [program](#) is now published and you can register [here](#) as a participant.



Award of the Swiss Society for Biomedical Engineering (SSBE)

The SSBE recognizes research of the highest standard by awarding individuals (scientists, clinicians and industrialists) or research groups for outstanding research in biomedical engineering. The next submission deadline for our [SSBE awards](#) is June 1, 2020. The awards consist of a certificate and a cash prize of CHF 5'000 for the SSBE Research Award and CHF 2'000 for the Student Award. The awarding will take place during the [SSBE Annual Meeting](#) in Bern on Thursday, August 27, 2020.



MPP 7th Annual Conference, October 22–23, 2020, Basel – call for abstracts now open

The Medtech & Pharma Platform (MPP) is a cross-sectoral not-for-profit industry association that focuses on promoting product synergies in the fields of medtech, pharma and software. The MPP organizes the 7th international annual conference in Basel to provide a cross-sectoral forum to exchange knowledge, collaborate in technology and regulatory areas, as well as to promote product development and innovation. Please find more information about the conference, the abstract categories and the submission information [here](#).

Research Funding



SciCV – SNSF tests new CV format in biology and medicine

The SNSF is testing a new, standardised structure for CVs. The pilot project "[SciCV](#)" will concern all applicants for project funding in biology and medicine in this year's first call for proposals (submission deadline 1 April 2020). The aim is to facilitate comparisons between applicants and make track record assessment more transparent. Researchers who apply for funding at the SNSF are required to submit their CV as part of their application.

Early Postdoc.Mobility

Please note that the last two submission deadlines for Early Postdoc.Mobility will be 2020. As of 2021, the Early Postdoc.Mobility fellowships will be merged with the [Postdoc.Mobility](#) scheme.

About us



First Master in Biomedical Engineering at the University of Basel

After 3 semesters and a few weeks we are very proud to see the first Master student finishing the Master's degree in Biomedical Engineering of the University of Basel: On February 24, 2020 Celine Berger accomplished her Master of Science in Biomedical Engineering with the Master examination. Celine Berger performed her Master's Thesis under the supervision of Dr. Claudia Lenz at the Forensic Institute of Prof. Eva Scheurer. We congratulate Celine Berger on her excellent performance and wish her all the best and success for the future endeavors.



Congratulations on Innovation Grants!

Dr. Dr. Florian Thieringer, head of the 3D-Print-Lab at USB and the 3D-Print Core Facility at the DBE received together with his team three new grants for 2020/2021 for research: An "Innovation Partnership Grant" with China granted through the "Bilateral Science and Technology Cooperation Programme with Asia" by ETH Zurich / ETH Global for "Research and Development On 3D Bio-Printing with Smart Bioink For Bone Regeneration" (19.5 kSFR), one from the Osteology Foundation for "Key Technology Research And Development On 3D Bioprinted Exosome-Laden Composite Scaffold For Improving Bone Regeneration" (60 kSFR) and a third as a co-investigator of the Innosuisse Project of the DBE startup "Bottmedical", founded by members of the BMC-group (Dr. Tino Töpfer, CEO and Dr. Bekim Osmani, CTO). The latter project "Tongue fitness (TOFI) trainer – Digital & interactive anti-snore therapy" was awarded in total 452 kSFR.



NanoMedicine Symposium December 2019, Biomaterial Science Center (BMC)

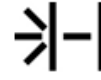
During the last decade, numerous challenges and opportunities for nanoscience and nanotechnology in the field of medicine have come to light. The teams of Nadia Benkirane-Jessel in Strasbourg and Bert Müller in Basel belong to the pioneers, especially in oral health. The collaboration between the University of Strasbourg and University of Basel was established in 2012 by F. Bornert and Straumann® to take advantage of the Micro- and Nanotomography Core Facility for the visualization of jaws treated with biomaterials. We reinvigorated the collaboration in December 2019 with the one-day NanoMedicine Symposium with 30 contributions from both groups. This symposium fertilized collaborations between the universities of the Upper Rhine towards cross-border mobility and common research infrastructures such as high-resolution X-ray imaging of human tissues. According to the joint strategic plan for the years 2019 to 2023, the nanomedicine teams will build a unique network with common teaching as well as common projects, goals and measures in research and innovation.

The Department of Biomedical Engineering bridges the gap between natural science and medicine in order to improve procedures and technologies for medical treatment. It is a joint venture of the University of Basel, the University Hospital Basel and the University Children's Hospital Basel.

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